Asclepiadaceae 8. 490 (1844

Asclepiadaceae

1 Periploceae 491

2 Secamoneae 500

3 Asclepiadeae vera 507 Mas pollen perpen

a. Astephaneae 507 no corona stam

b Micrologeae 510 scales in corolla, no corona Metastelma

c Haplostelmaneae 511 corona simple Metastelma Br Arenter, Oxyst for.

d Cynanchaeae 526 Corona cyathiform Cynanchum Sarcostemma Cynanch

e Sarcostemmae 535 corona duplex Sarcostem, Cynanch

f Eustegieae 544 Cynanchum

g Asclepiadeae 553

h Stapeliaceae 571

4 Gonolobeae 591 Mas poll horizont

Directions for Sending Insects.

All letters desiring information respecting noxious and other insects, should be accompanied by specimens, the more in number the better. Such specimens should always be packed along with a little cotton, wool, or some such substance, in a little paste-board box that is of convenient size, *and never enclosed loose in a letter*. Botanists like their specimens pressed flat as a pan-cake, but entomologists do not. Whenever possible, larvæ (i. e. grubs, caterpillars, maggots, etc.) should be packed alive, in some tight tin box—the tighter the better, as air holes are not needed—along with a supply of their appropriate food sufficient to last them on their journey; otherwise they generally die on the road and shrivel up to nothing. Along with the specimens send as full an account as possible of the habits of the insect, respecting which you desire information; for example, what plant or plants it infests; whether it destroys the leaves, the buds, the twigs, or the stem; how long it has been known to you; what amount of damage it has done, etc. Such particulars are often not only of high scientific interest but of great practical importance.

Instructions for collecting, preserving and studying Insects sent by mail, post-paid, upon receipt of thirty-five cents.

OFFICE OF THE

State Entomologist,

ROOM 29 INSURANCE BUILDING,

S. E. COR. FIFTH AND OLIVE STREETS,

St. Louis, Feb 17 1874

Dear Doctor,

The enclosed remarks come in the form now being printed. Will you revise or rewrite them and send them to me as soon as possible?

Yours ever

C. V. Riley

MISSOURI BOTANICAL GARDEN
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Dec

Meyrito

Asarina (Maxim.) Pennell

6.5-22 , gonaphoraspoides Dn Andinop

cirsinalis Dn Andre-

aspenda Dn Gibba

564 Asclepias , 3. Cancellata Ktth

565 / 9 glaucescens Ktth

567 / 21 sileora Benth

568 / 22 prolongi Benth

569 / 29 rosea Ktth

30 subcinalis Hook

32 verbellata var glabrifolia

var Crispolia

570 / 33 Ciliaris Car

/ 35 Longicornu Benth

/ 36 Melanthe Dne

/ 37 cancellata Ktth.

571 38 Reclinata Dn

39 Coxtoni Dn

Cambridge Mass
Mar 22/75

My dear Dr;

If you could spare me a day & give my class big lecture which appeared in the St. Louis Democrat of the 6th I would be perfectly obliged to you & would refer something of mine in the same line which might interest you

Yours truly
J. D. Whitney

P. S. Dr. Geo Engelmann
St Louis

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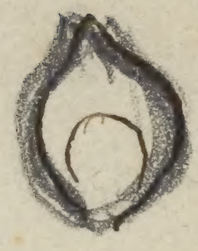
Cal. reflex

Calyx reflexus



cystis

3

Ranunculus

Villa Borghese, shady grove

April 20 1858

just coming into bloom

radix fibrosa

1/2 – 2 pedal.

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Thule Trans Fuller

Eng mss. 1868

see among the Lounsbury

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Dr George Engelmann

Rec. Aug 8 & ans. Aug 9

Thi[illegible]

Lith. of N. Currier, Lith. 66 N. Main St. St. Louis Mo.

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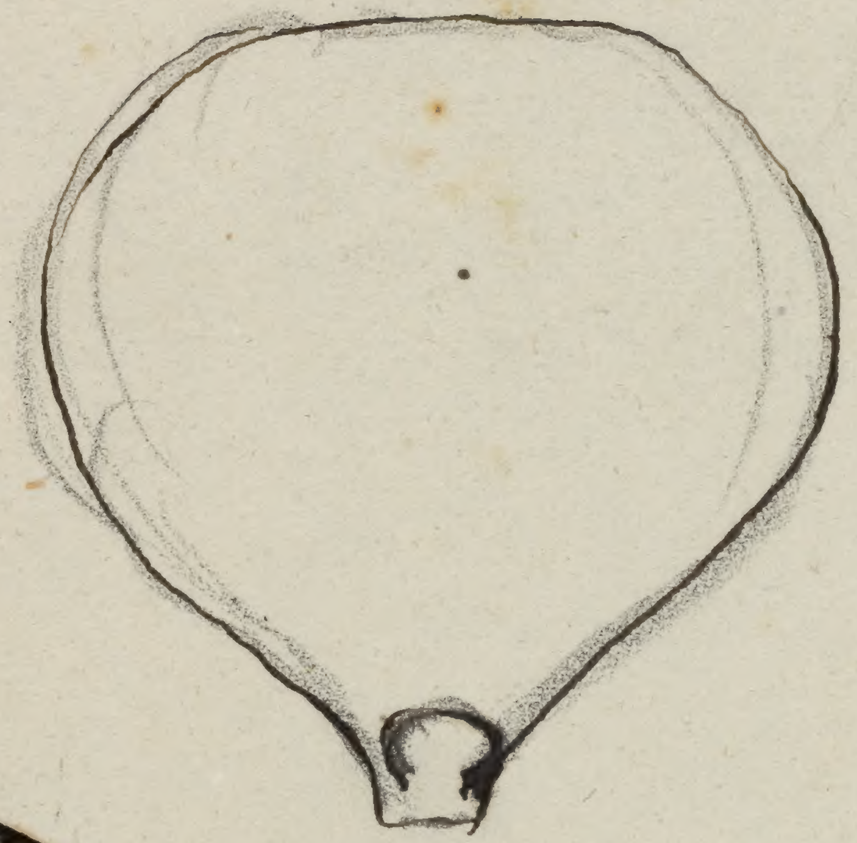
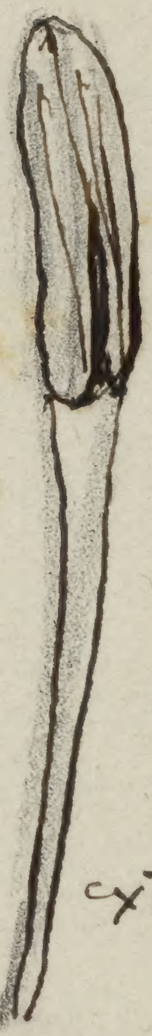
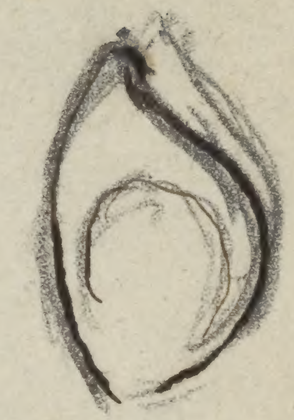




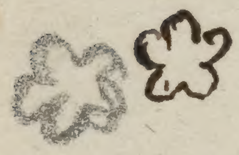


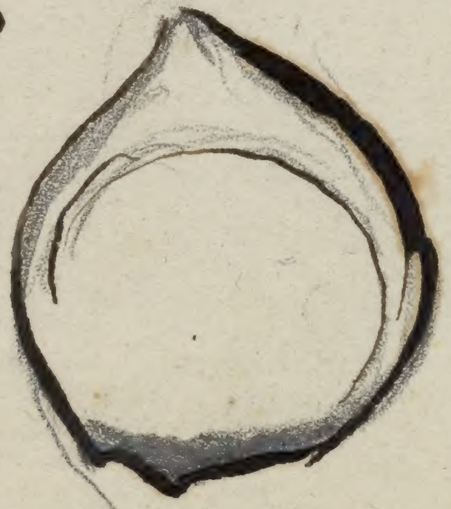
4

Calyx reflexed

Fruit bilobed

Petiole & peduncle 2-3 feet each





fruit almost full grown

Ramanoolay
Villa Borghese, shady grove
April 20. 1858

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Missouri Botanical Garden
George Engelmann Papers

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Ranunculus pa[illegible]
[illegible]

St Louis April 1841

Ran. abortivus L

St Louis Mai 1841

5

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Subsection Divisorum L. Sepalis ovatis obtusis 5–7 apice subclavatis

nervosis, filamentis elongatis antheris lineari-cuspidatis, plus quam duplo longioribus ovariis clavatis tribus elongatis, filiformi villosis stigma, sessili.

Ohio

Th. Missouri; Sepalis lanceolatis acutis 3 nervosis, filamentis apice clavatis antheris lineari-mucronulatis longioribus ovariis sexcubus striatis, stigmate elongato trifido 6 exsertis — (fl. purpurei

Th. Missouri, Texas; sepalis lanceolato ovatis, acutiusculis. 3–5 nervis, filamentis apice clavatis, antheris lineari cuspidatis longioribus. ovariis striatis stigmate elongato fauce 6 exserto (fl. viridis.)

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№ 2.

Ranunculorum alabastra carpia et syncarpia

R. hydrocharis Sch

R. Aconit. folius

R. ficaria

R. Lingua

R. flammula

R. bulbosus

R. Philonotis

R. arvensis

R. scleratus

R. sceleratus

R. arvensis

R. Jacquini Sch.
R. nivalis Jacq. montan. villos.

R. acris

R. [illegible]nuginosus

R. polyanthemos

R. nemorosus, aureus, wt.

R. repens

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Selection of species. Rocky Mts, west Texas = Eastern Coast

No Coralloriza = Eastern Latin

no species and of the no genus but 1 spec mentioned Nilabia, Caborta

Lapidia

Latin! genus etc

Plate, 30 years ago e.g. Rhamnus Texensis — Also 20 or 25 yrs

Lupinus villosus and not Texensis — Columbiana

Cercothera unicornigella and not American — and the soft. well known Lepisiopl. Leptonet, etc

twice Berberis trifoliolata, Wide mistranslation Aristotelia Aristotelia

Odoratum viridescens! California only!

Cissus — genus known and even name Leptonet

Echis vulgare!!

Abies Douglasii common in gardens [only?!]

even tropical plants

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Febr. 1850.

Clematis

floribus singulis *foliis breviter petiolatis*

1. C. Viorna L. Stipulis petiolaribusque pubescentibus; pedunculis versus basin 2 foliatis; sepalis coriaceis extus pubescentibus ~~apice barbatis~~ ovato-lanceolatis, acuminatis, staminum ~~stylorum~~ pilo ~~villoso~~ ~~pulverulento~~ ~~canescente~~ pubescente superantibus; capillis pubescentibus, stylo basi ~~villoso~~ pubescente supeme nudo, filiformi, capillo ~~bis~~ longiore. Stam = N. 4

2. C. crispa L. N. Carolina & Texas Stipulis petiolaribus glabris; foliolis (plerumque) breviter petiolulatis; pedunculis femineis ebracteatis, sepalis lineari lanceolatis apice pubescentibus acutis acuminatis recurvis staminibus plus quam duplo superantibus; capillis ? ~~Filamenta villosa. Anthera~~ puberula apice breviter apiculata — no capillus sed stipule slightly plumose only

3. C. reticulata Texas foliolis longius petiolulatis, pedunculis ad basin 2 bracteolatis s. (in spec. majoribus) versus basin 2 foliatis sepalis lanceolatis acuminatis antitatis, recurvatis, staminibus ~~stylisque duplo~~ s. duplo s. $\frac{2}{3}$ longioribus; ~~stylis villosis~~, capillis parce pubescentibus, stylis villosis, apice ~~duplo~~ quam ad basin ! capillo vix duplo longioribus (filamentis supeme barbatis, antheris elongatis apiculatis) stylo plumosa, apice pilosa parce

4. Cl. Industry Ind. „mid-inda"

foliolis longius petiolulatis, pedunculis ad basin 2 bracteolatis s. 2 foliatis; sepalis ovatis acutis recurvatis staminibus paulo superantibus; capillis pubescentibus, stylo basi pubescente supeme nudo, filiformi, capillo ter longiore near C. Viorna, ~~but~~ petiolules ~~twice~~ longer, bracts at base of pedunculus, sepals broader, shorter etc. — Filamenta villosa, antheris pubescentes, apice barbata, ~~longe~~ breviora

5. Cl. N. Orleans „Pitcheri"

foliolis longe petiolulatis, pedunculis nudis 2 foliatis (foliis saepe subsimilibus ovatis) sepalis ovato acuminatis recurvatis staminibus nudis vix longioribus, capillis pubescentibus, ~~stylis~~ stylo villis sericeis fulvo ~~villosis~~ capillo multoties (6–8) superantibus. — ~~Stamina~~ filamentis supeme nudis supeme pubentibus, antheris et apiculo elongato nud—

6. Cl. N. Orleans „reticulata"

foliolis longius petiolulatis, pedunculis versus basin bifoliatis, sepalis ovato-lanceolatis, abrupte acuminatis subcoriaceis, extus villosissimis tomentosis (more than any other of the above species — but all have it somewhat) — subrecurvis, staminibus apice elongato villosis paulo superante; capillis ?

Filamenta basi nuda, antheris brevi pubescens; apiculo villoso elongato, antheris subaequans.

7. Cl. Arkansas 1835

petiolulis elongatis; pedunculis sub medium bifoliatis; sepalis ovato-lanceolatis, acuminato aristatis, apice recurvis, staminibus barbato vix supernantibus: capellis ——

Stam. filamentis basi nudis, supernè villosis antheris pilosis; apiculo elongato barbato-villoso

8. Cl. Lima 1847 foliis subbipinnatifidis foliolis breviter pluriclatis plerumque divisis v. pinnatifidis; pedunculis basi 2 bracteatis; sepalis lanceolatis tenuiter abrupte acuminatis, recurvis staminibus apice pilosis sub duplo (v. 3plo) superantibus — capellis pubescentibus, stylis basi pubescentibus, apice nudis. capellis vix duplo superantibus — filamentis supernè villosissimis, antheris ob apiculo longo pauce pilosis

Near Vioma, but distinguished by the small dividing leaflets, the narrower, gradually acuminate, longer sepals & the less barbate filaments

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I distinguish after this examination

(undique capelli)

I. Cl. Viorna supernè nudis,

1. Cl. Viorna (1 supra)
2. Cl. pubiranda (4 supra) perhaps only a variety of 1
3. Cl. microphylla (8 supra) " " " " "

II, Stylo caudaque capilli plus minus plumosis

4. Cl. setiruleta (3 & 7 supra)
5. Cl. ovalifolia v. Lindheimeri (5 supra)
6. Cl. villiflora (6 supra
7. Cl. cylindrica (2 supra

N.B. our plant, Cl. Viorna, can not be the true form, as that is described as having "very plumose tails"

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